

## ABSTRACT OF THE DISCLOSURE

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A Semi-Variogram is generated by taking the Fourier Transform of 'spatial data in the space domain' thereby producing a frequency domain representation of the spatial data having a DC component (equivalent to a mean of the spatial data), removing the DC component to produce the frequency domain representation of the spatial data with zero mean (FFT), computing the complex conjugate of FFT (FFT\*), complex multiplying FFT and FFT\* to produce a complex product, taking the inverse Fourier Transform of the complex product to produce a space domain representation of the complex product (IFFT), and subtracting IFFT from the zero lag covariance to generate a Semi-Variogram. This Abstract is given for the sole purpose of allowing a patent searcher to easily determine the content of the disclosure in this specification.

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